

# Perinatal HIV Prevention Epidemiologic Profile

## Public Health Region 11\*

### 1. Which counties define Public Health Region (PHR) 11?

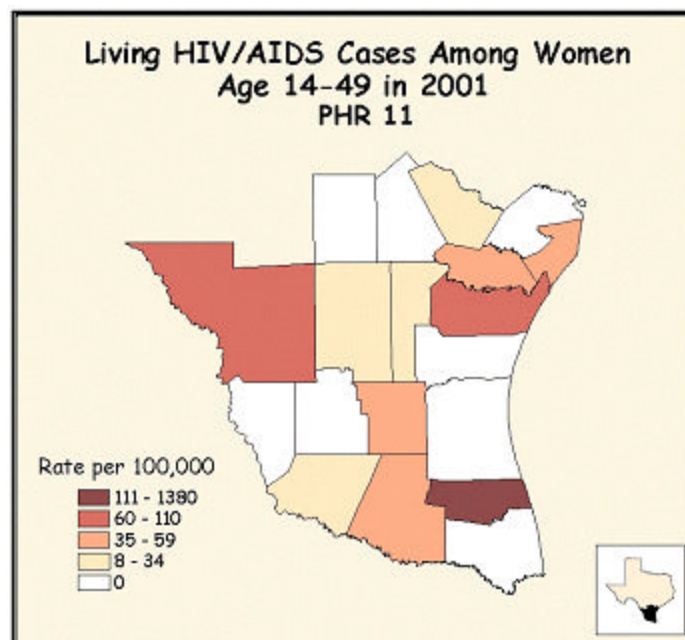
**Counties in PHR 11:** Webb, Zapata, Starr, Hidalgo, Cameron, Willacy, Kenedy, Brooks, Jim Hogg, Duval, Jim Wells, Kleberg, Nueces, San Patricio, Aransas, Refugio, Bee, Live Oak, McMullen.

### 2. How Many Living HIV Infected Women of Childbearing Age (13-49) are From Public Health Region 11?

#### Public Health Region 11 Living HIV/AIDS Cases Females Age 13-49 During Year

Living at End of Year	Public Health Region 11	Texas	PHR 11 Percentage of State
12/31/1999	121	3,519	3%
12/31/2000	169	4,844	3%
12/31/2001	241	6,243	4%

Database updated through January 22, 2002



### 3. How Many HIV Infected Women Give Birth in PHR 11?

- **40,545** residents gave birth in PHR 11 in 2000
- **0.23 per 1000** women giving birth in PHR 11 are HIV positive (1997 SCBW data) compared with **1.05 per 1000** in Texas as a whole
- About **9** HIV positive women gave birth in 2000 in PHR 11
- About **381** HIV positive women gave birth in Texas in 2000
- About **2%** of HIV positive women giving birth in Texas came from PHR 11, but **11%** of total Texas 2000 births were from PHR 11

### 4. What is the Racial/Ethnic Background of Women of Childbearing Age Living with HIV and AIDS in PHR 11?

#### Public Health Region 11

#### Race-Ethnicity of Living Female HIV/AIDS Cases Age 13-49

Living at End Of Year	Race-Ethnicity								
	White		African American		Hispanic		Other/Unknown		Total
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number
12/31/1999	28	23%	12	10%	81	67%	0	0%	121
12/31/2000	35	21%	12	7%	121	72%	1	1%	169
12/31/2001	50	21%	14	6%	174	72%	3	1%	241

Database updated through January 22, 2002

## 5. How did Women of Childbearing Age Living with HIV and AIDS in PHR 11 Get Exposed to HIV? Through Intravenous Drug Use? Heterosexual Sex? Receipt of Blood Products? Unknown?

### Public Health Region 11

#### Mode of Exposure of Living Female HIV/AIDS Cases Age 13-49

Living at End of Year	Mode of Exposure										
	IDU		Blood/Blood Prod.		Heterosexual Sex		Pediatric		Not Classified		Total
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number
12/31/1999	37	31%	2	2%	69	57%	3	2%	10	8%	121
12/31/2000	45	27%	1	1%	95	56%	4	2%	24	14%	169
12/31/2001	55	23%	2	1%	134	56%	4	2%	46	19%	241

Database updated through January 22, 2002

IDU= Intravenous drug use, injected non-prescription drugs

Heterosexual Sex=Female to male sex

Blood/ Blood Prod = Receipt of clotting factor or transfusion of blood/blood components

Pediatric=Cases reported when under age 13. Mode of pediatric exposure includes perinatal exposure, receipt of clotting factor, transfusion of blood/blood components, sexual contact with a male, sexual contact with a female, injected non-prescription drugs, not classified

## 6. How Many Women in PHR 11 Receive Prenatal Care?

- **69.2 %** of women from PHR 11 giving birth in 2000 started prenatal care within the first trimester compared with **78.8%** statewide
- **62.5%** of women from PHR 11 giving birth in 2000 started received adequate prenatal care based on the Kessner Index compared with **70.7%** statewide

## 7. How Many HIV Positive Women in PHR 11 Receive Prenatal Care?

*Data is not available specifically for PHR 11 however; data from the Pediatric Spectrum of HIV Disease (PSD) project sites (Dallas, San Antonio, Houston, Galveston, Austin and El Paso, 1996-2001) shows:*

- **80%** of HIV positive mothers in Texas PSD sites received **any** prenatal care.
- **82.3%** of HIV positive mothers at Texas PSD sites had their HIV diagnosed before delivery
- Of those women receiving prenatal care, **90.5%** knew their HIV status prior to delivery.
- Of those not receiving prenatal care, **56.6%** knew their HIV status prior to delivery.

## 8. How Many Pregnant Women Get Tested for HIV in Texas?

8a. Data from a survey of 614 private Ob/Gyn providers in Texas (1997) show:

- **99%** of practices offered HIV testing to all their pregnant patients
- **96%** of practices included HIV testing in the routine panel of tests for pregnant patients
- More than 95% of practices reported that **10% or less** of the women refused the test when offered it; **73%** had not refusals in the past 6 months
- **89%** were aware of a Texas law requiring HIV testing of pregnant women unless patient refuses

8b. Data from Birth Certificates (year 2000) show:

- **99.2 %** of women giving birth were tested for HIV either prenatally or perinatally in PHR 11 compared with 96.8% statewide
- **86.7 %** of women giving birth were tested in the prenatally in PHR 11 compared to 90.0% statewide
- **88.0 %** of women giving birth were tested perinatally in PHR 11 compared to **82.7%** statewide.

## 9. How Many HIV Positive Pregnant Women in Texas and PHR 11 Receive Antiretroviral Therapy?

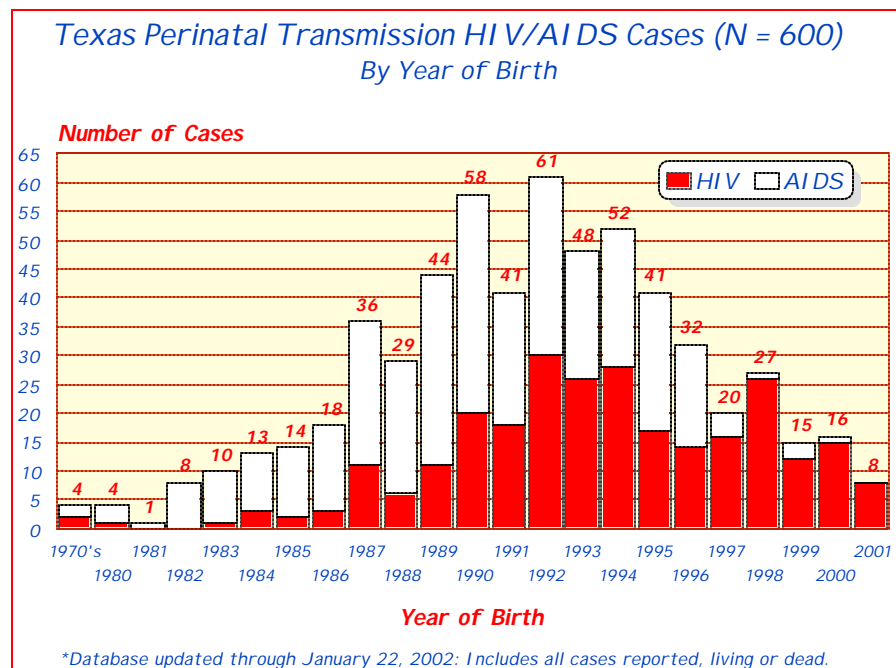
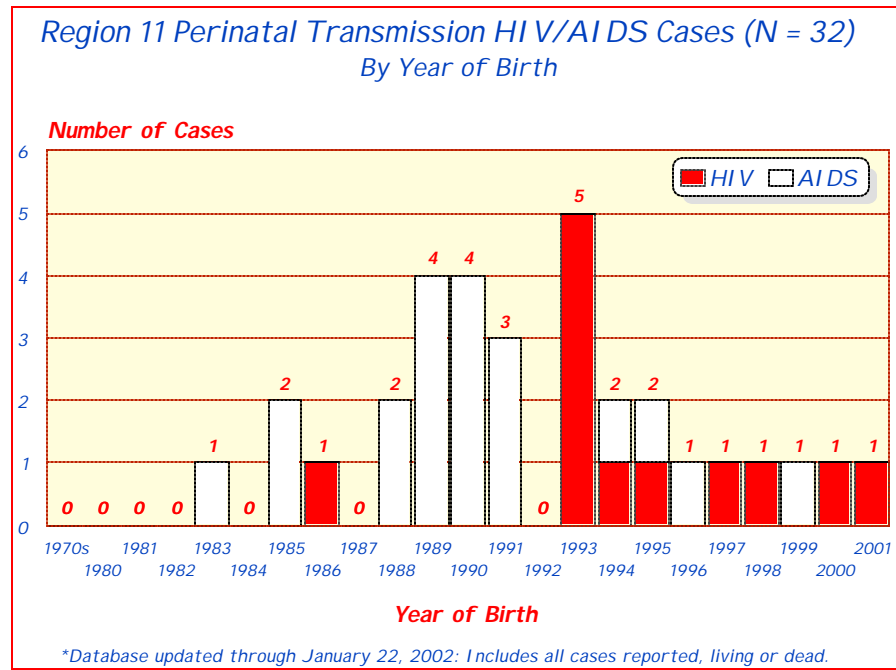
9a. Data from the Survey Of Childbearing Women show:

- In 1994, an estimated **23%** of women giving birth in Texas who tested positive for HIV also tested positive for ZDV (Zidovudine) at the time of their child's birth. This percentage rose to **59%** in 1995 and **62%** in 1997
- In 1997, **100%** of women giving birth in **PHR 11** who tested positive for HIV also tested positive for ZDV at the time of their child's birth

9b. Data from PSD of HIV positive Mother/Child Pairs (children born 1995-1998) reveal:

- **38%** received the full ACTC 076 protocol regimen
- **74%** received the prenatal component, **38%** the intrapartum component and **85%** received the neonatal component

# **10. How Many Children Have Been Reported as Infected Perinatally with HIV/AIDS in PHR 11 compared with Texas as a whole?**



**Note:** Cases born before 1989 were adults and adolescents (age 13+) at the beginning of 2002. Of all perinatal transmission cases, the number still alive for Region 11 is 23 and for Texas, 412.

## 11. What is the Perinatal Transmission Rate in PHR 11?

*No regional specific data is available for PHR 11, however, data from the Texas Pediatric Spectrum of HIV Disease (PSD) study show:*

- Perinatal transmission rates have dropped in Texas
- At all Texas PSD sites combined (Dallas, Houston, San Antonio, Austin, Galveston, and El Paso), the perinatal HIV transmission rate was **13.9%** in 1996 and dropped to **4.0%** in 2001
- Perinatal HIV transmission rates of **<2%** have been documented in studies using combination antenatal antiretroviral drugs or with Zidovudine (ZDV) combined with cesarean section

**\*Data Notes:** Data are from Texas HIV/AIDS Reporting System (HARS) dataset through 01/22/02. Pediatric data is by year of diagnosis and only for the pediatric mode of exposure “Pedi Parent at Risk”, which includes all HIV positive parents. Percents may not equal to 100% due to rounding. Prevalence estimates are based on 1997 Survey of Childbearing Women (SCBW) HIV prevalence data. Pediatric Spectrum of Disease (PSD) Data is from three sites (Dallas, Houston and San Antonio) from 1995-1998 and from six sites (Dallas, Houston, San Antonio, Galveston, Austin and El Paso) from 1999-2001.